Preliminary Syllabus, v.1

ESCI 301: INTRODUCTION TO THE EARTH (4 Credit Hours)
Spring 2015

Lecture:	T-Th 9:25 - 10:40 AM
Lab:	M 1:00 - 4:00 PM
Professor:	Julia Morgan (KWGL Rm 315; morganj), Fenglin Niu (KWGL Rm 316; niu)
TA:	Pranabendu Moitra (KWGL Rm 211; pm10)
Office Hours:	Open door policy
Text:	Marshak, Stephen (2012), **Earth: Portrait of a Planet**, W.W. Norton & Co., 4th Edition.
Lab Text:	Busch, R.M (Ed), (2015), **Laboratory Manual in Physical Geology,** Pearson. 10th Ed.
Grading Criteria:	Exams (2) & quizzes (top 5)-60%; participation–10%; labs/assign/ field trips/-30%.
Absence Policies:	Students must notify instructors in advance of absences, and arrange to make up missed material, quizzes, or exams.
Course Objectives & Learning Outcomes:	This course provides a comprehensive introduction to the Earth, its origin and composition, and processes that change it. Students will learn to identify basic rocks and minerals, read and interpret maps, understand plate tectonics and its causes and consequences, and understand how the Earth has changed through geologic time. They will learn to apply basic scientific principles to geologic problems.

Week	Date		Topic	Text	Lab
Week 1	Jan 12		- -		Discover Plate Boundaries
	Jan 13		Origin of Earth & Earth in Space (fn)	Ch. 1	
	Jan 15		Earth System & Structure (fn)	Ch. 2	
Week 2	Jan 19		*** MLK DAY – NO CLASS *****		****NO LAB****
	Jan 20		Continental drift (fn)	Ch. 3	
	Jan 22	(Q1)	Plate tectonics 1 (fn)	Ch. 4	
Week 3	Jan 26		- -		L2–Plate Tectonics
	Jan 27		Plate tectonics 2 (fn)		Ch. 4
	Jan 29		Minerals and classification (jm)	Ch. 5	
Week 4	Feb 02		- -		L3–Mineral ID
	Feb 03		Rock classification & rock cycle (jm)	Interludes A & C	
	Feb 05	(Q2)	Magma and Igneous rocks (jm)	Ch. 6	
Week 5	Feb 09		- -		L5–Igneous rocks
	Feb 10		Sedimentary rocks and soils 1 (jm)	Interlude B & Ch. 7	
	Feb 12		Sedimentary rocks and soils 2 (jm)	Ch. 7	
Week 6	Feb 16		- -		L6–Sedimentary rocks
	Feb 17	(Q3)	Metamorphic rocks 1 (jm)	Ch. 8	
	Feb 19		Metamorphic rocks 2 (jm)	Ch. 8	
Week 7	Feb 23		- -		L7–Metamorphic rocks
	Feb 24		Volcanoes & Plate Tectonics (fn)	Ch. 9	
	Feb 26		**-- First Term Exam --**		
Week 8	Mar 02		*** SPRING BREAK – NO CLASS *****		****NO LAB****
	Mar 03		*** SPRING BREAK – NO CLASS *****		
	Mar 05		*** SPRING BREAK – NO CLASS *****		
Week 9	Mar 09		- -		L#-TBD
	Mar 10		Geologic Time & Relative Age (jm)	Ch. 12 & Interlude E	
	Mar 12		Earth History 1 (jm)	Ch. 13	
Week 10	Mar 16		- -		L8–Dating & Rel. Time
	Mar 17	(Q4)	Earth History 2 (jm)	Ch. 13	
	Mar 19		Global Change (jm)	Ch. 23	

Any student with a disability requiring accommodations in this class is encouraged to contact me after class. Additionally, students should contact the Disabled Student Services office in the Ley Student Center.

Week 11	Mar 23		- - -